

AP31436FC-N**Polyclonal Antibody to Monkey IgA + IgG + IgM (Fc specific) - FITC****Alternate names:** Monkey IgA, Monkey IgG, Monkey IgM**Quantity:** 1 ml**Concentration:** 10 mg/ml**Host / Isotype:** Goat / IgG**Immunogen:** Purified polyclonal monkey IgG, and IgA and IgM containing fractions isolated from monkey serum. Freund's complete adjuvant is used in the first step of the immunization procedure.**Format:** **State:** Lyophilised hyperimmune Ig fraction**Buffer System:** PBS, pH 7.2

No preservative added, as it may interfere with the antibody activity. No foreign proteins added.

Label: FITC – Fluorescein isothiocyanate isomer 1*Absorption / Emission:* 492nm / 515nm*Molar Ratio:* 1,7**Reconstitution:** Restore with 1 ml sterile distilled water

Applications: Can be used for direct immunofluorescence staining of cytoplasmic Ig of appropriately treated cell and tissue substrates; to demonstrate immunoglobulins or specific antibodies in cells and tissues; to identify circulating antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen or immune complex using a reference antibody of monkey origin in the middle layer of the indirect test procedure. The absence of activity to the common Ig/Fab subunit prevents the reaction of this conjugate with immunoglobulins binds to Fc receptors on non-lymphoid cells. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal. Working dilutions are usually between 1/20 and 1/120. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

The reactivity of the antiserum is directed to the Fc subunits of the major isotypes of the monkey immunoglobulin system. No reaction is obtained with purified IgG/Fab or any non-Ig protein of monkey serum, as tested by immunoelectrophoresis and double radial immunodiffusion. In immunoelectrophoresis and double radial immunodiffusion using various antiserum concentrations against normal monkey plasma and serum, the characteristic IgG, IgA and IgM precipitin lines are obtained. Cross-reactivity: Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Precipitation reactions have been observed with immunoglobulins in serum of other old-world monkeys, including Cercopithecus, Cynomolgus and Baboon. The conjugate may also react with other species as has been observed for chimpanzee and man.

Species: Monkey.

Other species not tested.

Add. Information:

Adsorption: Immunoaffinity adsorbed using insolubilized Ig-depleted monkey serum fractions and IgG/Fab as required to eliminate antibodies reacting with the common Fab portion of immunoglobulins or reacting with other serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.

Storage:

Prior to reconstitution store at 2-8°C.

Following reconstitution store undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.